

Recovery Plan Action Status

Plan Name: Houghton's Goldenrod

Plan Status: Final

Plan Date: 17-Sep-97

Lead Agency: USFWS

Lead Office: East Lansing Ecological Services Field Office

(517)
351-2555)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Houghton's goldenrod (Solidago houghtonii)	1	111	Provide current site occurrence information at least yearly to agencies.	Ongoing Current	FY 1995 - FY 1999			Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	112	Update USFWS records.	Ongoing Current	FY 1995 - FY 1999			Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	113	Update USFS records	Ongoing Current	FY 1995 - FY 1999			Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	114	Update MFMD records	Ongoing Current	FY 1995 - FY 1999		The Nature Conservancy	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	115	Update MLWMD records.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Law Enforcement Division	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	116	Update MDOT records and transfer to District Offices.	Ongoing Current	FY 1995 - FY 1999		Michigan Natural Features Inventory	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	117	Update MSP master plans.	Ongoing Current	FY 1995 - FY 1999		Michigan Department of Transportation	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	12	Develop written agreements and management plans for protection on public lands.	Ongoing Not Current	FY 1995 - FY 1999		Botanical Gardens	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	131	Develop strategies to protect occurrences and sites from ORV damage.	Ongoing Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	132	Restrict access routes with barriers.	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Houghton's goldenrod (Solidago houghtonii)	1	133	Post signs.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	134	Work with law enforcement and other agencies to monitor sites and coordinate effective enforcement.	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Michigan Department of Natural Resources	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	141	Initiate private landowner contact.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Pilot program has been initiated with USFWS funding.
Houghton's goldenrod (Solidago houghtonii)	1	142	Provide education for private landowners.	Ongoing Not Current	FY 1995 - FY 1999			Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	143	Promote private landowner involvement in a registry program.	Ongoing Not Current	FY 1995 - FY 1999			Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	15	Promote development of local zoning ordinances favorable to protection of species and its habitat.	Ongoing Not Current	FY 1995 - FY 1999			Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	1	16	Recommend and support sites for potential Natural Area designation.	Ongoing Current	FY 1995 - FY 1999		Botanical Gardens	Work type not yet selected	Labor type not yet selected	Funding assumes resumption of State Natural Areas Program.
Houghton's goldenrod (Solidago houghtonii)	1	17	Encourage land acquisition.	Ongoing Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	2	21	Systematically assess potential habitat from aerial photographs; map known occurrences and delineate potential habitat.	Ongoing Not Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Some survey work has been completed during 1992 Coastal Zone Management shoreline survey.
Houghton's goldenrod (Solidago houghtonii)	2	22	Conduct systematic field surveys.	Ongoing Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	

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Houghton's goldenrod (Solidago houghtonii)	2	23	Prepare maps of S. houghtonii occurrences.	Ongoing Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	2	24	Reassess ranks of known occurrence; determine ranks of newly identified occurrences; revise protection priorities.	Ongoing Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	2	31	Distribute relevant biological and management information to public land managers, enforcement officials, and the general public.	Ongoing Not Current	FY 1995 - FY 1999		Botanical Gardens	Work type not yet selected	Labor type not yet selected	Can be coordinated with private landowner contact project.
Houghton's goldenrod (Solidago houghtonii)	2	32	Conduct management workshops for public agencies.	Ongoing Not Current	FY 1995 - FY 1999		Botanical Gardens	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	2	4	Monitor occurrences to determine population trends, viability, and threats.	Ongoing Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, New York Natural Heritage Program	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	3	51	Determine taxonomic relationship of populations in MI, NY, and Canada, with emphasis on outlier populations.	Ongoing Not Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division, New York Natural Heritage Program	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	3	52	Determine genetic variability within and between occurrences throughout global range.	Ongoing Not Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division, New York Natural Heritage Program	Work type not yet selected	Labor type not yet selected	
Houghton's goldenrod (Solidago houghtonii)	3	53	Conduct research on autecology.	Ongoing Not Current	FY 1995 - FY 1999		Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division, New York Natural Heritage Program	Work type not yet selected	Labor type not yet selected	